

CLAIMS

What is claimed is:

1. A method for indicating performance enhancements in a wireless transmit/receive unit (WTRU) to a user in a wireless communication system, the method comprising the steps of:

- (a) operating a radio link to the WTRU with a performance enhancement active;
- (b) measuring the operating results with the performance enhancement active;
- (c) operating a radio link to the WTRU with the performance enhancement inactive;
- (d) measuring the operating results with the performance enhancement inactive;
- (e) comparing the measurements with the performance enhancement active and the performance enhancement inactive; and
- (f) preparing and displaying a display indicator on the WTRU showing the performance difference of the WTRU when the performance enhancement is active and inactive.

2. The method according to claim 1, wherein steps (a) and (b) are performed before steps (c) and (d).

3. The method according to claim 1, wherein steps (c) and (d) are performed before steps (a) and (b).

4. A method for indicating performance enhancements in a wireless transmit/receive unit (WTRU) to a user in a wireless communication system, the method comprising the steps of:

measuring the characteristics of a received signal at the WTRU with a performance enhancement enabled;

calculating a gain value based upon the performance difference in the WTRU between when the performance enhancement is enabled and not enabled; and

preparing and displaying a display indicator on the WTRU based upon the gain value.

5. A method for indicating performance enhancements in a wireless transmit/receive unit (WTRU) to a user in a wireless communication system, the method comprising the steps of:

activating a performance enhancement in the WTRU;

measuring the operating results with the performance enhancement active;

preparing and displaying a display indicator on the WTRU showing the performance value with the performance enhancement active;

turning the performance enhancement off;

measuring the operating results with the performance enhancement inactive;
and

preparing and displaying a display indicator on the WTRU showing the performance value with the performance enhancement inactive.

6. A method for indicating performance enhancements in a wireless transmit/receive unit (WTRU) to a user in a wireless communication system, the method comprising the steps of:

deactivating a performance enhancement in the WTRU;

measuring the operating results with the performance enhancement inactive;

preparing and displaying a display indicator on the WTRU showing the performance value with the performance enhancement inactive;

turning the performance enhancement on;

measuring the operating results with the performance enhancement active; and

preparing and displaying a display indicator on the WTRU showing the performance value with the performance enhancement active.

7. A method for indicating performance enhancements to a user in a wireless communication system, the wireless communication system including a wireless transmit/receive unit (WTRU) and a base station (BS), the method comprising the steps of:

- activating an enhancement in the WTRU;
- transmitting signals from the BS to the WTRU;
- measuring the operating results at the BS;
- deactivating the enhancement in the WTRU;
- transmitting signals from the BS to the WTRU;
- measuring the operating results at the BS;
- comparing the measurement results at the BS; and
- displaying the comparison results to the user via the WTRU.

8. A method for indicating performance enhancements to a user in a wireless communication system, the wireless communication system including a wireless transmit/receive unit (WTRU) and a base station (BS), the method comprising the steps of:

- transmitting signals from the BS to the WTRU;
- measuring the operating results at the BS with an enhancement inactive at the WTRU;
- activating the enhancement in the WTRU;
- transmitting signals from the BS to the WTRU;
- measuring the operating results at the BS;
- comparing the measurement results at the BS; and
- displaying the comparison results to the user via the WTRU.

9. A handset for use in a wireless communication system, comprising:
activating means for activating and deactivating a performance enhancement in said handset;

measuring means for measuring operating results of said handset with the performance enhancement active and the performance enhancement inactive; and

display means for displaying an indicator on said handset, said indicator showing operating results of said handset with the performance enhancement active and the performance enhancement inactive.

10. The handset according to claim 9, further comprising:

comparing means for comparing the measured operating results of said handset with the performance enhancement active and the performance enhancement inactive; and

wherein said indicator shows the comparison results.

11. The handset according to claim 9, wherein said indicator includes differently labeled elements to distinguish between operating results with the performance enhancement active and the performance enhancement inactive.

12. The handset according to claim 11, wherein the elements of said indicator are labeled in different colors.

13. The handset according to claim 11, wherein the elements of said indicator are labeled in different type styles.

14. The handset according to claim 11, wherein the elements of said indicator are labeled in different fonts.

15. The handset according to claim 11, wherein the elements of said indicator are separated by a marker.

16. The handset according to claim 9, wherein said measuring means only measures the operating results of said handset with the performance enhancement inactive.

17. The handset according to claim 16, further comprising extrapolating means for extrapolating the operating results of said handset based upon the measured operating results of said handset with the performance enhancement inactive.

18. A wireless communication system, comprising:
a handset, including:

activating means for activating and deactivating a performance enhancement in said handset; and

display means for displaying an indicator on said handset, said indicator showing operating results of said handset with the performance enhancement active and the performance enhancement inactive; and

a base station, including:

measuring means for measuring operating results of said handset with the performance enhancement active and the performance enhancement inactive.

19. The wireless communication system according to claim 18, wherein said base station further includes

comparing means for comparing the measured operating results of said handset with the performance enhancement active and the performance enhancement inactive; and

wherein said indicator shows the comparison results.

20. The wireless communication system according to claim 18, wherein said base station further includes extrapolating means for extrapolating the operating results of said handset based upon the measured operating results of said handset with the performance enhancement inactive.

21. The wireless communication system according to claim 20, wherein said extrapolating means bases the extrapolation on the measured operating results of said handset without the performance enhancement.

22. The wireless communication system according to claim 18, wherein said indicator includes differently labeled elements to distinguish between operating results with the performance enhancement active and the performance enhancement inactive.

23. The wireless communication system according to claim 22, wherein the elements of said indicator are labeled in different colors.

24. The wireless communication system according to claim 22, wherein the elements of said indicator are labeled in different type styles.

25. The wireless communication system according to claim 22, wherein the elements of said indicator are labeled in different fonts.

26. The wireless communication system according to claim 22, wherein the elements of said indicator are separated by a marker.

27. A wireless communication system, comprising:
a handset, including:

display means for displaying an indicator on said handset; and

a base station, including:

extrapolating means for extrapolating operating results of said handset if said handset was capable of a performance enhancement;

said indicator showing the extrapolated operating results of said handset with the performance enhancement and the operating results of said handset without the performance enhancement.

28. The wireless communication system according to claim 27, wherein said indicator includes differently labeled elements to distinguish between operating results with the performance enhancement active and the performance enhancement inactive.

29. The wireless communication system according to claim 28, wherein the elements of said indicator are labeled in different colors.

30. The wireless communication system according to claim 28, wherein the elements of said indicator are labeled in different type styles.

31. The wireless communication system according to claim 28, wherein the elements of said indicator are labeled in different fonts.

32. The wireless communication system according to claim 28, wherein the elements of said indicator are separated by a marker.